

WHAT IS CLAIMED IS:

1. An image processing apparatus comprising:
an input unit for inputting image data; and
5 an attachment unit for attaching mesh image data
as a component of the input image data.
2. The image processing apparatus according to
claim 1, further comprising a processing unit for
10 processing the image data input by the input unit, and
wherein the attachment unit attaches mesh image data
transformed according to how the processing unit
processes the image data.
- 15 3. The image processing apparatus according to
claim 1, wherein the attachment unit attaches mesh
image data transformed according to attribute
information of the image data input by the input unit.
- 20 4. The image processing apparatus according to
claim 3, wherein the attachment unit attaches mesh
image data transformed according to information
relating to an optical system that senses the image
data.
- 25 5. The image processing apparatus according to
claim 4, wherein the attachment unit attaches mesh

image data transformed according to information on a bulge aberration of the optical system.

6. The image processing apparatus according to
5 claim 4, wherein the attachment unit attaches mesh image data transformed according to information on a zoom magnification of the optical system.

7. The image processing apparatus according to
10 claim 6, wherein the attachment unit attaches mesh image data having a large mesh size when the image data has been sensed on a telescopic side of the optical system and attaches mesh image data having a small mesh size when the image data has been sensed on a wide-
15 angle side of the optical system.

8. The image processing apparatus according to claim 4, further comprising a sensor that detects a tilt of the optical system, and wherein the attachment
20 unit attaches mesh image data according to a tilt of the optical system.

9. The image processing apparatus according to claim 1, further comprising an encryption unit for
25 encrypting the input image data and the mesh image data with the same encryption method.

10. The image processing apparatus according to claim 1, further comprising a display unit for selectively displaying either the mesh image data alone or both the input image data and the mesh image data in
5 combination.

11. An image processing apparatus comprising:
an input unit for inputting image data;
a generating unit for generating mesh image data
10 corresponding to the input image data; and
a recording unit for recording the input image data and the mesh image data onto a storage medium.

12. The image processing apparatus according to
15 claim 11, further comprising a processing unit for processing the image data input by the input unit, and wherein the generating unit generates mesh image data according to how the processing unit processes the image data.

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13. The image processing apparatus according to claim 11, wherein the generating unit generates image data transformed according to attribute information of the image data input by the input unit.

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14. The image processing apparatus according to claim 11, wherein the generating unit generates mesh

image data transformed according to information relating to an optical system that senses the image data.

5 15. The image processing apparatus according to claim 11, further comprising an encryption unit for encrypting the input image data and the mesh image data with the same encryption method.

10 16. The image processing apparatus according to claim 11, further comprising a reproduction unit for reproducing the input image data and the mesh image data recorded on the storage medium.

15 17. An image processing method, comprising:
 an input step of inputting image data; and
 an attachment step of attaching mesh image data as a component of the input image data.

20 18. An image processing method, comprising:
 an input step of inputting image data;
 a generating step of generating mesh image data corresponding to the input image data; and
 a recording step of recording the input image
25 data and the mesh image data onto a storage medium.

 19. A program for causing a computer to execute

the steps of:

inputting image data; and
attaching mesh image data as a component of the
input image data.

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20. A computer-readable storage medium storing
program code for causing a computer to execute the
steps of:

inputting image data; and
10. attaching mesh image data as a component of the
input image data.